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SPACE GATEWAY SUPPORT (SGS) SGS 08120J (February 2005)  
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## DIVISION 08 - DOORS AND WINDOWS

## SECTION 08120J

## ALUMINUM DOORS AND FRAMES

02/05

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SECTION 08120J

ALUMINUM DOORS AND FRAMES  
02/05

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NOTE: This guide specification covers the requirements for aluminum doors and frames intended for use principally as main entrance and vestibule doors, and for prominent interior doors from lobbies and similar spaces in buildings of public access where appearance is a major factor.  
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PART 1 GENERAL

1.1 REFERENCES

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NOTE: The following references should not be manually edited except to add new references. References not used in the text will automatically be deleted from this section of the project specification.  
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Comply with Fed. Spec. RR-D-575B(2 Dec 71) applicable unless otherwise indicated.

1.2 SUBMITTALS

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NOTE: Review submittal description (SD) definitions in Section 01300, "Submittals," and edit the following list to reflect only the submittals required for the project. Submittals should be kept to the minimum required for adequate quality control. Include a columnar list of appropriate products and tests beneath each submittal description.  
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The following shall be submitted in accordance with Section 01330, "Submittals," in sufficient detail to show full compliance with the specification:

SD-03 Product Data

Manufacturer's standard details and specifications to the Contracting Officer.

1.3 DOOR SCHEDULE

Locate doors to be replaced as shown on the drawings. Refer to door

schedule on the drawings for information on type, size, hardware, etc., required for each location. Sizes shown on the drawings are nominal dimensions. Field measure each opening and provide door and frame as required for that location.

#### 1.4 PRECONSTRUCTION REQUIREMENTS, DELIVERY AND STORAGE

Prior to commencement of construction submit the following for review and approval:

Manufacturer's standard details and specifications

Deliver doors and frames to the site in an undamaged condition. Protect against damage and dampness. Store under cover in a well-ventilated building. Do not expose to extreme changes of temperature and humidity. Replace defective or damaged doors or frames at no expense to the Government.

Mark each door with a stamp, brand, or label in accordance with the requirements of the applicable publication or standard.

### PART 2 PRODUCTS

#### 2.1 MATERIALS AND EQUIPMENT

New and a standard product of a manufacturer. Two or more units of the same class or type of equipment shall be the products of a single manufacturer and meet the requirements of the contract plans and specifications.

##### 2.1.1 Exterior Doors

Doors normally 1-3/4 inches thick. The core honeycomb material 60 pounds per 3000 square foot ream; 11 percent phenolic resin; 1/2 inch for hardware backup. Construct door of one-piece, 0.040 inch, 3003-H 14 stretcher-leveled aluminum alloy facing; vertically ribbed embossed No. 10 pattern; laminated to 0.125 inch tempered hardware. Furnish entire perimeter of door with special beveled-edge design aluminum extrusion 6063-T5 alloys to receive aluminum skin and hardboard the full width of door. Use wool pile weather stripping on edges. Use anodized aluminum finish.

##### 2.1.2 Hardware

Vertically ribbed embossed No. 10 pattern; laminated to 0.125 inch tempered hardware. Furnish entire perimeter of door with special beveled-edge design aluminum extrusion 6036-T5 alloys to receive aluminum skin and hardboard the full width of door. Use wool pile weather stripping on edges. Use anodized aluminum finish.

##### 2.1.3 Exterior Aluminum Door Frames

Use door frame member of extruded aluminum 6036-T5 alloy with a wall thickness of 0.125 inch. Weather/stripe with aluminum backed wool pile. Cut door frames square at corners and screw together with stainless steel screws. Use extruded corner bracket to provide a strong and neat corner. Mortise drill and tap hinges and strike plated to comply with hardware specifications. Drill and tap frames receiving surface-applied hardware in the field. Use anodized aluminum finish.

## PART 3 EXECUTION

### 3.1 INSTALLATION

Hang doors with a 1/16 inch clearance at sides and top, and a 3/16 inch clearance over floor, unless otherwise shown on the door schedule. Bevel lock stiles of doors, 1-3/4 inches thick and thicker, 1/8 inch in 2 inches. Provide 3/8 inch clearance.

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